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Application No.: 10/584,350

Docket No.: KUB-005

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and the listings of the claims.

**Listing of Claims:**

1 - 5 (Cancelled)

6. (New) A parameter adjusting device comprising:

a plurality of processing devices which comprise parameter regulation devices configured to optimize parameters using a genetic algorithm;

said plurality of processing devices being configured to search using a local search method and to distribute the search there among;

said plurality of processing devices being respectively configured to individually and simultaneously execute the genetic algorithm and to, a predetermined period prior each local search, be such that each processing device, in accordance with the genetic algorithm processing, based on predetermined numbers, send individuals of a genetic population to others of said plurality of processing devices and further configured to have a migration arrangement for receiving the predetermined numbers.

7. (New) The parameter adjusting device as set forth in claim 6, wherein the each processing device comprises a CPU of a computer or server including a plurality of CPUs in which said genetic algorithm is installed.

8. (New) The parameter adjusting device as set forth in claim 6, further comprising search processing control means configured for collecting interim results of searches from the processing devices assigned to the processing by the genetic algorithm.

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9. (New) The parameter adjusting device according to claim 6, wherein a selected one of the plurality of processing devices is configured to determine if all of the searches conducted by the plurality of processing devices have been completed and to terminate the local search process in response to completion of all local searches.